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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/602,306	06/23/2000	Chris Pratley	13237-2570 (MS#142282.1)	1163
27488	7590	11/06/2003	EXAMINER	
MERCHANT & GOULD P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			BASEHOAR, ADAM L	
			ART UNIT	PAPER NUMBER
			2178	4
DATE MAILED: 11/06/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/602,306

PR2  
Applicant(s)

PRATLEY ET AL.

Examiner

Adam L Basehoar

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 June 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. This action is responsive to communications: The application filed on 06/23/00.
2. Claims 1-27 are pending in the case. Claims 1, 13, and 20 are an independent claim.

#### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-9 and 11-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Miller et al (US: 5,896,321 04/20/99).

-In regard to independent claim 1, Miller et al teach receiving a text input (Fig. 2A: 202) into a text document in a word processing program (column 11, lines 65-67) comprising one or more components.

-Identifying a partial text component (equivalent to erroneous text component) from said one or more text components (Fig. 2A: 204).

-Selecting the partial text component for editing by detecting a pause in the receipt of data entry (column 4, lines 32-33).

-Receiving notice of the pause and displaying a list of alternatives to the partial text component via a user interface opened into the text document (Fig. 2A).

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- Receiving additional characters (edits) (Fig. 4: 402) directly into the text component in the text document, wherein the edit is a partial entry (i.e. one character of the desired alternative.)

- Producing additional filtered list of alternatives in response to receiving additional characters (edits)(Fig. 4: 402 & 418) and displaying the revised filtered list (Fig. 4: 418).

- Selecting an alternative from the revised list (column 4, lines 50-53)(Fig. 2A: 210) and replacing directly into the text document the selected alternative (Fig. 2B: 212).

- Closing the user interface (column 5, lines 31-35)(Fig. 4: 428).

- In regard to independent claim 13, Miller et al teach receiving a text input (Fig. 2A: 202) into a text document in a word processing program (column 11, lines 65-67) comprising one or more components.

- Identifying a partial text component (equivalent to erroneous text component) from said one or more text components (Fig. 2A: 204).

- Selecting the partial text component for editing by detecting a pause in the receipt of data entry (column 4, lines 32-33).

- Receiving notice of the pause and displaying a list of alternatives to the partial text component via a user interface opened into the text document (Fig. 2A).

- Receiving additional characters (edits) (Fig. 4: 402) directly into the text component in the text document, wherein the edit is a partial entry (i.e. one character of the desired alternative.)

- Producing additional filtered list of alternatives in response to receiving additional characters (edits)(Fig. 4: 402 & 418) and displaying the revised filtered list (Fig. 4: 418).

-Continually filtering the list of alternatives (Fig. 4: 418) by continuing to receive a character input (Fig. 4: 402) whenever an acceptance command (Fig. 4: 424) is not received because no suitable alternatives are selected. Miller et al further teach if in response to additional characters and further filtering, no alternative from the list is accepted (Fig. 4: 404), using the inputted word directly into the document (Fig. 4).

-Closing the user interface (column 5, lines 31-35)(Fig. 4: 428).

-In regard to independent claim 20, Miller et al teach receiving a text input (Fig. 2A: 202) into a text document in a word processing program (column 11, lines 65-67) comprising one or more components.

-Identifying a partial text component (equivalent to erroneous text component) from said one or more text components (Fig. 2A: 204).

-Selecting the partial text component for editing by detecting a pause in the receipt of data entry (column 4, lines 32-33).

-Receiving notice of the pause and displaying a list of alternatives to the partial text component via a user interface opened into the text document (Fig. 2A).

-Receiving additional characters (edits) (Fig. 4: 402) directly into the text component in the text document, wherein the edit is a partial entry (i.e. one character of the desired alternative.)

-Producing additional filtered list of alternatives in response to receiving additional characters (edits)(Fig. 4: 402 & 418) and displaying the revised filtered list (Fig. 4: 418).

- Identifying a completed alternative text component within the list of alternatives associated with the partial entry (Fig. 2A) and displaying the suggested matching completed text

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alternative component directly into the text document (Fig. 2A). Miller et al further teach receiving an acceptance command with the suggested completion (column 4, lines 50-55)(Fig. 2A) and in response to the acceptance command replacing directly into the document the matching completed alternative (Fig. 2B).

-Closing the user interface (column 5, lines 31-35)(Fig. 4: 428).

-In regard to dependent claims 2, and 21, Miller et al teach continually filtering the list of alternatives (Fig. 4: 418) by continuing to receive a character input (Fig. 4: 402) whenever an acceptance command (Fig. 4: 424) is not received because no suitable alternatives are selected. Miller et al further teach if in response to additional characters and further filtering, no alternative from the list is accepted (Fig. 4: 404), using the inputted word directly into the document and closing the user interface (Fig. 4: 428).

-In regard to dependent claim 3, Miller et al teach identifying a completed alternative text component within the list of alternatives associated with the partial entry (Fig. 2A) and displaying the suggested matching completed text alternative component directly into the text document (Fig. 2A). Miller et al further teach receiving an acceptance command with the suggested completion (column 4, lines 50-55)(Fig. 2A) and in response to the acceptance command replacing directly into the document the matching completed alternative (Fig. 2B) and closing the user interface (Fig. 2B).

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-In regard to dependent claims 4, 14, and 22, Miller et al teach wherein typing a first character of the selected alternative (Fig. 4: 402) directly into the text document (Fig. 2A&B), wherein it would be inherent that the addition of text characters (Fig. 4: 402) would be at the location of the text component because otherwise the word's components would not be symmetric in the document and unnecessarily difficult to read.

-In regard to dependent claims 5-6, 8, 15, and 23, Miller et al teach wherein the text input (selection) into a data file (text document) could include stochastic input sources such as a voice recognition and a hand-writing recognition device (column 1, lines 22-34).

-In regard to dependent claims 7, 9, 16-17, 24-25, Miller et al teach wherein the text input (selection) into a data file (text document) could include stochastic input sources such as a voice recognition and a hand-writing recognition device (column 1, lines 22-34). Miller et al also teach being able to input one character at a time (Fig. 4: 402) and as stated above in claims 4, 14, and 22 it would have been inherent that the addition of text characters (Fig. 4: 402) would be at the location of the text component because otherwise the word's components would not be symmetric in the document and unnecessarily difficult to read.

-In regard to dependent claims 11-12, 18-19, and 26-27, Miller et al teach a computer system and a computer readable medium having computer executable code (Fig. 1: 20)

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miller et al (US: 5,896,321 04/20/99) in view of Oberteuffer et al (6,438,523 08/20/02).

-In regard to dependent claim 10, Miller et al do not teach wherein one of the stochastic text input devices is a vision-based recognition device for recognizing gestures. Oberteuffer et al teach multiple stochastic text inputs (Abstract) as well as a gesture interface for text input (Fig. 9: 902:904)(column 7, lines 44-56). It would have been obvious to one of ordinary skill in the art for at the time of the invention, for Miller et al to have utilized Oberteuffer et al gesture input device for inputting text, because it would have allowed users unable to use the speech to text of Miller et al to input text using sign language or other well known gestures.



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***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US: 6,377,965	04/23/02	Hachamovitch et al.
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US: 5,909,667	06/01/99	Leontiades et al.
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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam L Basehoar whose telephone number is (703) 305-7212. The examiner can normally be reached on M-F: 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (703) 308-5186. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

ALB

  
JOSEPH H. FEILD  
PRIMARY EXAMINER